NEWS RELEASE

VIAVI Expands Capabilities for Industry-Leading Remote Fiber Test and Monitoring Portfolio

Unique Innovations Serve Intelligent Fiber Networks that Carry Intense Connectivity Demand

Scottsdale, Ariz., June 7, 2021 – VIAVI Solutions Inc. (VIAVI) (NASDAQ: VIAV) today introduced multiple new capabilities for the award-winning Optical Network Monitoring Solutions (ONMS) family of remote test and monitoring solutions. The new capabilities enable further network intelligence in fiber environments that form the foundation of high-speed core, metro ring networks as well as access applications in passive optical network (PON), 5G and data center networks.

Optical network data rates are pushing new limits in transmission speeds due to wavelength and fiber density through dense wavelength division multiplexing (DWDM), high fiber count cables and complex point-to-multi-point and multi-fiber push on (MPO) architectures. It is more important than ever that network equipment manufacturers (NEMs) and network operators add remote network intelligence to ensure high quality of service (QoS), near 100% uptime, and security. To do this they must also scale fiber network deployment, accelerate construction, service revenue turn-up and manage an ever-increasing maintenance workload. Automated, remote intelligence allows for the ability to scale high quality standards and speeds without adding commensurate expense and workload.

VIAVI answers the call with several new remote test and monitoring solutions that leverage rapid response and automation for managing dense, complex networks:

- A new, patented Flash Fiber Monitoring feature for ONMSi and SmartOTU software that enables operators to detect and locate a flash attenuation that causes network route flapping and burst network error conditions. An industry first, the feature is 100 to 300 times faster than traditional monitoring, with performance that can detect flash attenuation in an unprecedented one-tenth of a second. Network route flapping is one of the most common but damaging and difficult problems to diagnose. Until now, operators had no way to detect or locate flash attenuation events that are a root cause of millions of communication errors globally every year.
- New iOTDR Micro and Nano cards that enable NEMs to integrate optical time-domain reflectometer (OTDR) technology into their elements at a low price, with low power and a small footprint. The advanced software library for the cards provides operators with the industry's most diverse range of use cases via an element-integrated iOTDR solution, potentially saving NEM R&D teams 2–3 person years of development time. The cards support NEMs and their efforts for operators with an unmatched range of applications that include fiber characterization, fiber monitoring, tapping security intrusion detection, fault demarcation, Raman amplified link test, and tracking fiber degradation for preventative maintenance.
- New fiber network analytics using the NITRO BI Fiber Insight Platform for ONMSi, automate fiber diagnostics to proactively eliminate risks and create a prioritized network performance improvement action plan. The fiber trends and aging use cases allow operators to see simplified reporting across the entire fiber network to revise procedures.

All fibers can be graded by the cable, customer, network location down to the root cause fault type – turning mountains of raw data into actionable insight.

“With these additions to the ONMS line, VIAVI innovation continues to lead the industry in helping customers scale construction and maintain performance of critical fiber infrastructure to alleviate years of workload on network staff,” said Kevin Oliver, Vice President and General Manager, Converged Instruments and Virtual Test, VIAVI. "With the ability to proactively monitor fiber using automated, remote test capabilities – service providers, NEMS and hyperscale operators can reduce expensive downtime and repair dispatch using proactive assessment of the network health, improving the performance, reliability and customer satisfaction across the fiber lifecycle."

In addition to the ONMSi remote fiber test system, VIAVI offers the industry’s highest-performance OTDR technology to produce an accurate, high resolution trace to locate faults, intrusions and degradation that supports metro, core, access, and all fiber networks. VIAVI offers two types of optical test heads that work in tandem with ONMSi and NITRO software to enable customers to optimize flexible OTDR capabilities, rack footprint and price point: OTU-8000 and OTU-5000. The system can be used for PON construction and service provisioning, ongoing monitoring, infrastructure monitoring and network security applications.

The new capabilities for ONMS further expand the most comprehensive fiber test portfolio in the industry, including PON/FTTX innovations for fiber monitoring, construction/installation, and first-to-market innovation. For more information on key use cases, download the ONMSi case study or visit www.viavisolutions.com/fiber-monitoring.

About VIAVI

VIAVI (NASDAQ: VIAV) is a global provider of network test, monitoring and assurance solutions for communications service providers, enterprises, network equipment manufacturers, government and avionics. We help these customers harness the power of instruments, automation, intelligence and virtualization to *Command the network.* VIAVI is also a leader in light management solutions for 3D sensing, anti-counterfeiting, consumer electronics, industrial, automotive, and defense applications. Learn more about VIAVI at www.viavisolutions.com. Follow us on VIAVI Perspectives, LinkedIn, Twitter, YouTube and Facebook.

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